

**ANSYS Workbench Class3****Error Report****ERROR NO:**

WB2013-03

**Keywords:**

EQUIVALENT STRAINS                      SOLUTION COMBINATION  
DOCUMENTATION

**Description of Error:**

The documentation for Solution Combinations in Mechanical is obsolete and misleading. The documentation implies that equivalent strains are calculated by a two step procedure. In actuality, since release 14.0, equivalent strains are read from the result file and are used directly in the solution combination formulation. The incorrect paragraph follows:

If you request solution combination for derived quantities such as equivalent/principal stresses AND STRAINS as well as total displacement, the following two step procedure is used: Solution combination is carried out to compute component results first. The requested result items are then derived from the components.

**Typical GUI Path(s):**

// Mechanical Application User's Guide // Using Results // Result Utilities // Solution Combinations

**Other Comments:**

None

**First Incorrect Version:**

Release 14.0

**Corrected In:**

Release 15.0

**Suggested User Action For Running on Uncorrected Version:**

If the user wishes to calculate equivalent strains via the documented two step procedure, use an MAPDL POST1 command object with a load case combination.

**Author Signature:**

Tom Jones 1/23/2013

**Reviewed By QA:**

Bill Bryan 2/1/2013

**Approval:**

Dave Conover 1/23/2013